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Date: 5/16/2013 3:33:10 PM

Subject: Permit Universe Results for Pathogen Indicators

Attachments: [Pathogen list from ICIS for Rich.docx](#)
[ICIS Pull for Pathogen Indicators 5.16.13.xlsx](#)

Hi Christina and Jessica,

Enclosed is the ICIS pull results we conducted for all known pathogen indicators limits in permits. You will note that we included all pathogen indicators and its listed variants (see Pathogen list from ICIS for Rich Word.docx attachment) to make up our universe. With the help of our in-house ICIS expert, Jackie, we were able to identify the number of unique permits that contained at least one pathogen-indicator limit.

As discussed earlier today, folks were interested in sharing the universe size of permits with the pathogen limits to Hall & Associates. This table below provides the breakdown. The initial pull of unique permits with limits was counted at 20,006; this included all Majors, Minors, POTWs, non-POTWs, and Federal Facilities. The number of POTW-only permits is 8,776; this included both Majors and Minors. And the number of Majors (including POTWs, non-POTWs, and Federal Facilities) was found at 4415. And lastly, pulling for only both Majors and POTWs was counted at 3461 permits.

As a reminder, these numbers represent permits that have been issued by both EPA and states. I will be out tomorrow, but I think Dave will be in tomorrow in case if you have questions.

Hope this is helpful,

Rich

Pathogen Limits Only	20006
Only POTWs	8776
Only Majors	4415
Major POTWs	3461